

<b>UTILITY APPLICATION</b>	Attorney Docket No.: <b>DATUMTE.017A</b>
	First Named Inventor: <b>McAdam, et. al.</b>
	Title: <b>FLEXIBLE ADAPTATION ENGINE FOR ADAPTIVE TRANSVERSAL FILTERS</b>
	Express Mail Label No.: <b>EV 319 023 593 US</b>
<b>Direct all correspondence to Customer No.: 20995</b>	
Date: December 1, 2003 Page 1 of 2	



**Mail Stop Patent Application**

United States Patent and Trademark Office  
PO Box 1450  
Alexandria, VA 22313-1450

The following enclosures are transmitted herewith to be filed in the patent application of:

**Inventors:**

1. Matthew W. McAdam
2. Andrew S. Wright
3. Bill M. Lye

**APPLICATION ELEMENTS:**

- (X) Specification in 23 pages;
- (X) Drawings in 9 sheets; and
- (X) A Declaration by Inventors in 2 pages.
  - Originally signed

**OTHER APPLICATION PARTS:**

- (X) Recordation form cover sheet and Assignment in 3 pages (cover sheet & assignment);
- (X) Information Disclosure Statement and PTO-1449 in 2 total pages (IDS and 1449);
  - (X) 5 references listed, 3 of which are enclosed
- (X) A check in the amount of **\$1,400.00** to cover the Total Fees; and
- (X) A return prepaid postcard.

**CONTINUITY INFORMATION:**

Application	Relationship	Parent App. No.	Filing Date	Status
This Application	Claims priority to	60/461,065	04/07/03	Pending



17638 U.S. PTO

**UTILITY APPLICATION**Attorney Docket No.: **DATUMTE.017A**First Named Inventor: **McAdam, et. al.**Title: **FLEXIBLE ADAPTATION ENGINE FOR  
ADAPTIVE TRANSVERSAL FILTERS**Express Mail Label No.: **EV 319 023 593 US****Direct all correspondence to Customer No.: 20995**

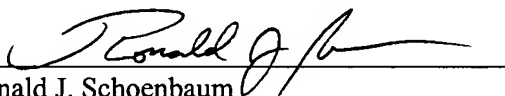
Date: December 1, 2003

Page 2 of 2

**FILING FEES:**

<b>FEE CALCULATION</b>				
<b>FEE TYPE</b>		<b>FEE CODE</b>	<b>CALCULATION</b>	<b>TOTAL</b>
Basic Utility		1001 (\$770)		\$770.00
Recordation Fee		8021 (\$40)	1 x 40 =	\$ 40.00
Excess Claims > 20	48 - 20 = 28	1202 (\$18)	28 x 18 =	\$504.00
Independent > 3	4 - 3 = 1	1201 (\$86)	1 x 86 =	\$ 86.00
Multiple Claim		1203 (\$290)		\$ 0
			<b>TOTAL FEE DUE</b>	<b>\$1,400.00</b>

The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment to Account No. 11-1410.

  
 Ronald J. Schoenbaum  
 Registration No. 38,297  
 Attorney of Record  
 Customer No. 20,995  
 (949) 760-0404

# Knobbe Martens Olson & Bear LLP

Intellectual Property Law

2040 Main Street  
Fourteenth Floor  
Irvine, CA 92614  
Tel 949-760-0404  
Fax 949-760-9502  
www.kmob.com

Ronald J. Schoenbaum  
949-721-2950  
ron@kmob.com

19270 U.S. PTO  
10/725183  
120103

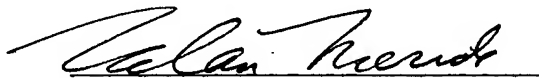
MAIL STOP PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## CERTIFICATE OF MAILING BY "EXPRESS MAIL"

**Attorney Docket No.** : DATUMTE.017A  
**Applicants** : McAdam, et. al.  
**For** : FLEXIBLE ADAPTATION ENGINE FOR  
ADAPTIVE TRANSVERSAL FILTERS  
**Attorney** : Ronald J. Schoenbaum  
**"Express Mail"**  
**Mailing Label No.** : EV 319 023 593 US  
**Date of Deposit** : December 1, 2003

I hereby certify that the accompanying

Transmittal letter; specification in 23 pages; 9 sheets of drawings; Declaration by Inventor in 2 pages; Recordation Form Cover Sheet and Assignment in 3 pages; Information Disclosure Statement and PTO form 1449 in 2 pages; Check for Filing Fee; and a Return Prepaid Postcard are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Nelson Merida

H:\DOCS\ROS\ROS-5931.DOC\dns  
112603

San Diego  
619-235-8550

San Francisco  
415-954-4114

Los Angeles  
310-551-3450

Riverside  
909-781-9231

San Luis Obispo  
805-547-5580